IMPORTANT: PLEASE READ THIS MANUAL CAREFULLY AND KEEP IT IN A SAFE PLACE

POOL SCOUT MANUAL

POOL SCOUT is designed and made by ISO 9001 certified manufacturer. Our mission is to provide the highest combination of quality, service and price to support our distributors and customers.

1. GENERAL

POOL SCOUT is the result of intellectualized and quality design and high manufacturing techniques, it is an electronics monitoring system that automatically sounds an alarm when children or pets fall into your unsupervised pool. POOL SCOUT is a portable, self-contained, light weight unit that is safe and simple to operate. Entry into the pool will be detected by the unit's electronics sensor, triggering a loud pulsating alarm to give people alert in shortest time.

2. PRODUCT & SPARE PARTS

Such device is packaged in a shipping carton that minimizes the chance of damage due to handling. Check for damage and confirm that the contents of the carton included the following items (see Fig.1).

1-Main unit
2-Remote receiver
3-Adapter (DC 12V 200mA)
4-Stainless steel screw (2pcs)
5-Plastic swell screw (2pcs)
6-Small tube (3cm 3pcs, 2.4cm 1pc, 3.9cm 1pc)
7-Manual
8-Dry Battery (6pcs x LR20 1.5V size D) (optional)

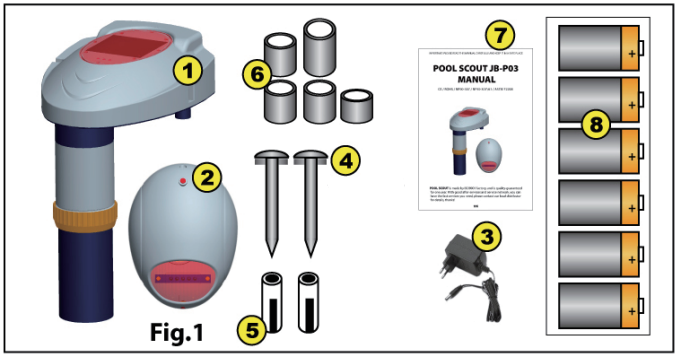

Fig.1

If any above item is missing, contact either the place of purchase or our distributor for replacement.

3. GENERAL FIGURE (see Fig 2)

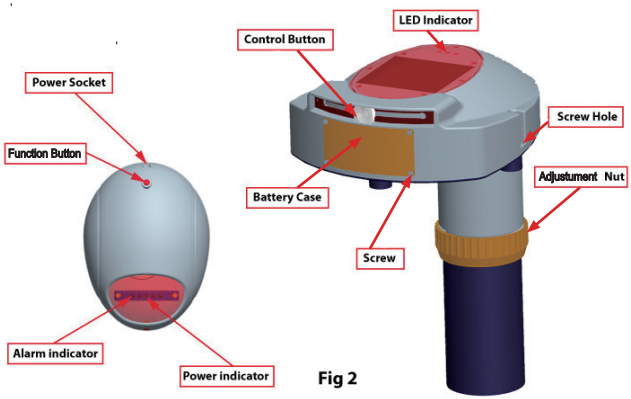

Fig 2

4. BATTERY INSTALLATION / REPLACEMENT

4.1 The Main unit is powered by 6pcs alkaline batteries LR20 1.5V, install and replace battery as followings:
Remove the screws in rear battery-case (see Fig. 3-1/2/3/4).

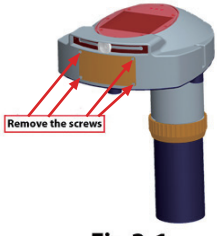

Fig 3-1

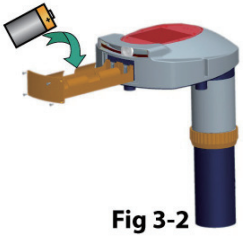
Fig 3-2

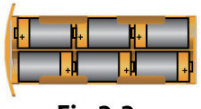
Fig 3-3

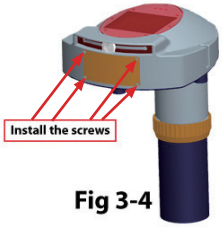

Fig 3-4

4.2 With low battery warning function, if main unit beep every 20 seconds, that indicates you to replace the battery with new ones.
Keep in mind: It is important that do not let the rubber washer come off.

5. OPERATION & CONTROL

5.1 Your pool alarm integrates intelligent system which analyzes the surface of the pool and can automatically reset. It is easy to operate, and involve many different functions, which are achieved through operation of Control Buttons.

Attention:

1. To move control button, you have to press it down at first, this is designed to avoid false operation by children.

2. Status indication

A. Surveillance status	Green light flash at intervals of 10s
B. Sleep/Swimming status	Yellow light flash at intervals of 10s
C. System-Off status	Red light flash at intervals of 10s
D.Alarming sound locking	Red light and yellow light keep flashing of 30s

5.2 System Start

Move control button to "SURVEIL", green light start to flash every 30s, it indicates the system into surveillance status (see Fig. 4).

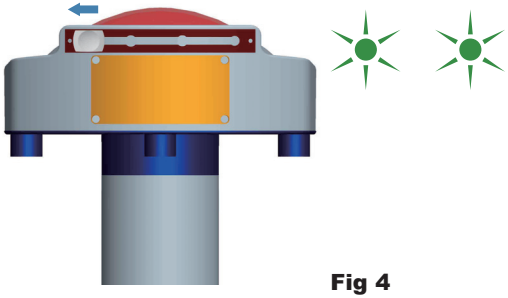

Fig 4

5.3 System Turnoff

Move control button to "OFF", system turns off ,red light start to flash every 30s (see Fig. 5).

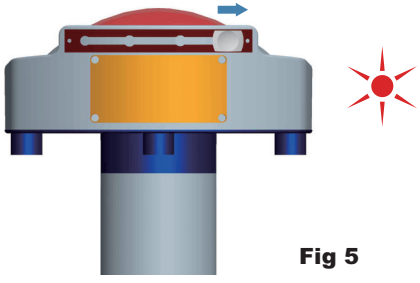

Fig 5

Warning: Please turn off the system only when out for holiday or pool not in use for long time;

5.4 Return to surveillance status

If system sounds alarm,it will last alarming for 4 minutes, if you want to stop it,just move button to any position, then system will re-enter into surveillance status(see Fig. 6-1/2)

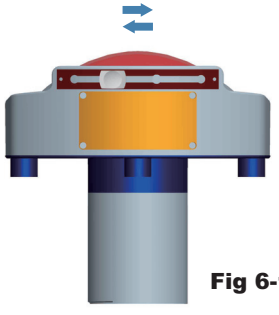

Fig 6-1

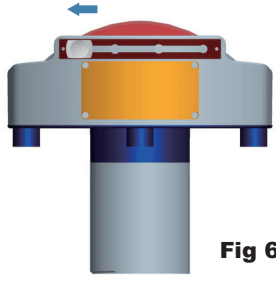

Fig 6-2

5.5 Swim status

Move control button to "SWIM", you will hear “WO WO…” and yellow light start to flash every 10s, it indicates the system into Swim status (see Fig. 7).

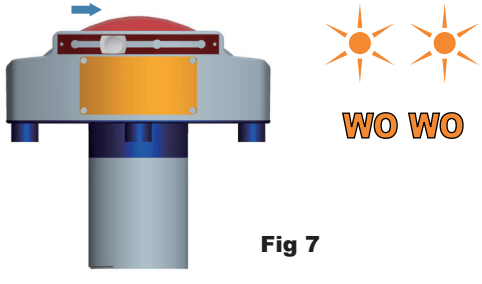

Fig 7

Attention:

1. Swimming status is available only when system is not alarming, if alarming, please reset the system (refer to 5.4).

2. When pool water calms down, system will activate automatically in 100 seconds and enter into Surveillance status.

3. If you want to stop the Swimming status immediately, just cintrol move button to"SURVEIL",meanwhile you can hear “WO WO” twice and green light start to flash, it indicates the system is re-started.

5.6 Mute function for main unit

Move control button to "MUTE", the system enter into MUTE status,the main unit only send signal to receiver without giving out alarm sound(see Fig. 8).

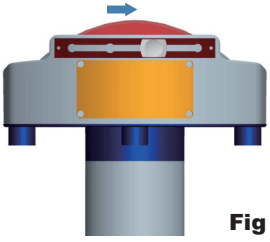

Fig 8

5.7 Transmitter function description

5.7.1 Power-on

Connect the DC plug with the receiver and power on the receiver,then set the red switch key to ON, the LED3 of the receiver will flashes every 10 seconds to indicate the receiver is in working status. Please read this manual carefully before use and learn the function and intelligence of JB-P03-E(see Fig9-1/2/3/4).

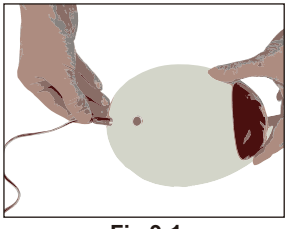

Fig 9-1

Fig 9-2

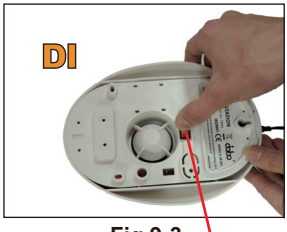

Fig 9-3

Switch ON/OFF

Fig 9-4

5.7.2 Alarm Function

5.7.2.1 Normal Alarm

When children or pets fall into pool, ponds, the receiver will alarm with LEDS flashing and give out sounds at the same time(see Fig 10).

Fig 10

5.7.2.2 Temporarily sound mute function

When the receiver receive the alarm signal from the transmitter and alarm, you can temporarily stop the alarm sound by short pressing the function button(see Fig 11).

5.7.2.3 Alarm sound locking function

When the receiver alarm, you can press the function button for 3 seconds till alarm stop, then the receiver won't receive the transmitter's signal within 5 minutes. Press the red button again, the receiver can alarm again(see Fig 12).

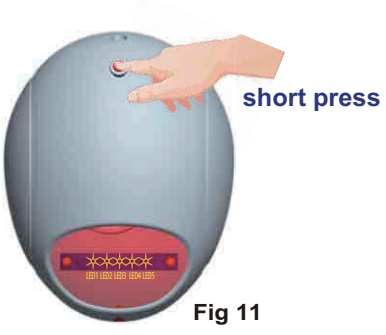

Fig 11

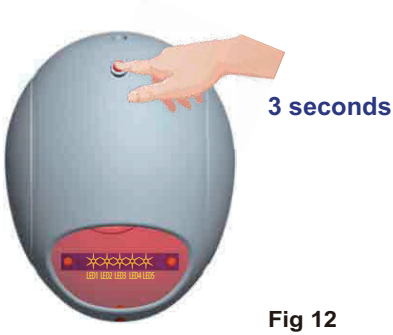

Fig 12

5.7.3 MUTE function

When the receiver enter into MUTE status, it means the receiver will give out visual LED flashing without sound.

5.7.3.1 Normal status to MUTE status

Short press function button 1 time, LED2 will flash 1 time along with 1 beep, it enters into Mute status, then LED2, LED3, LED4 will flash every 10 seconds to indicate the receiver is now MUTE status(see Fig 13-1/2).

5.7.3.2 MUTE status to normal status

When the receiver is MUTE status, press receiver function button 1 time, LED4 will flash 1 time along with 1 beep, it enters into normal status(see Fig 14),then the LED3 of the receiver flashes every 10 seconds to indicate the receiver is in working status (see Fig 9-4).

Fig 13-1

Fig 13-2

Fig 14

5.7.4 Low battery alarm

When the transmitter battery is lower than 7V, it will send out signal to the receiver every 30 seconds, when the receiver receive the transmitter low battery signal, the receiver will turn on all the 5 LEDS at the same time, and then turn out from left to right one by one to indicate that the transmittet buttery is low (see Fig15-1/2/3).

Fig15-1

Fig15-2

Fig 15-3

5.7.5 Battery recharge function

There is one built-in rechargeable 9V battery. When the adaptor is plugged in, the battery will be recharged automatically.The battery can be recharged approximately 1,200 times, and will last about 6~7 hours once fully charged. The normal charging time is about 10 hours.When the mains is disconnected or you want to use outside,the fully charged battery can last about 6~7 hours.

5.7.6 Switch ON-OFF function

To switch off the receiver after use, set the red switch to OFF. Don’t forget to set the red switch ON again when you use the receiver again.

6. POSITION FOR INSTALLATION

Below Figs indicate the proper place for main unit installation, if you have pool bigger than 16x32sq feet, or pool with two return lines, or pool with irregular shapes, please contact our distributor to clarify the numbers of alarm needed and proper location for installation (see Fig. 16-1/2/3/4);

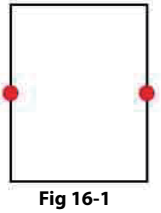

Fig 16-1

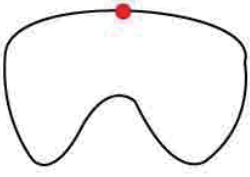

Fig 16-2

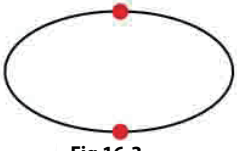

Fig 16-3

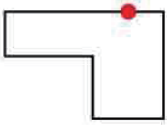

Fig 16-4

7. INSTALLATION & REMOVAL OF MAIN UNIT

7.1 Our alarm can be adjusted to apply different water levels with submersible sensor tube, we suggest the gap 1-2cm between tube and pool wall (see Fig. 17-1/2).

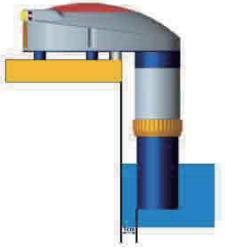

Fig 17-1

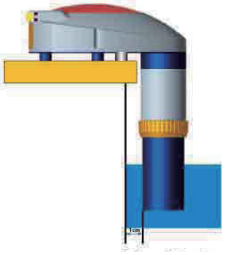

Fig 17-2

7.2 Tools needed: percussive drill, dia.8mm; cross screwdriver, dia.6mm.

7.3 Procedures:

A. set the system in Off status at first;

B. choose the proper place to install, mark the position for hole drilling, and drill two hole 3-4cm deep; (see Fig. 18-1/2)

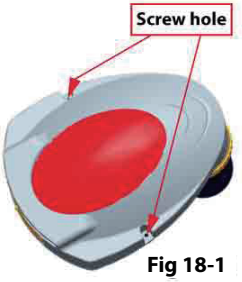

Fig 18-1

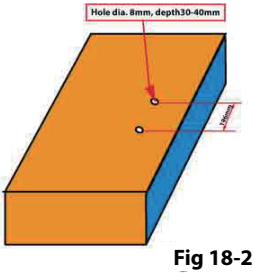

Fig 18-2

7.4 Installation for kinds of pool base(see Fig. 19-1/2/3/4).

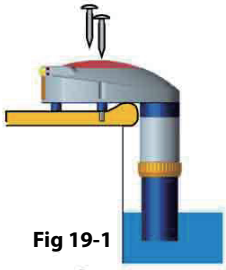

Fig 19-1

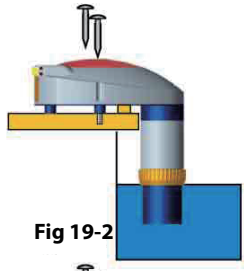

Fig 19-2

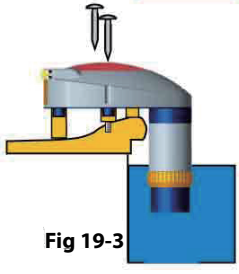

Fig 19-3

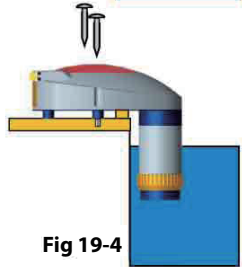

Fig 19-4

7.5 If to remove the main unit, use screwdriver to take off screws.

8. ADJUSTMENT OF SUBMERSIBLE SENSOR TUBE

8.1. It is suggested that the sensor tube should submerge into water 10cm deep (see Fig. 20);

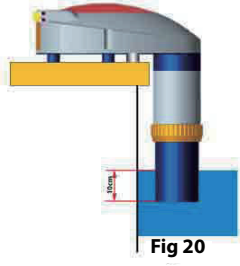

Fig 20

8.2. Turn the nut loose counterclockwise, move the extension tube up and down to make it proper, then turn the nut tight clockwise (see Fig. 21-1/2/3/4).

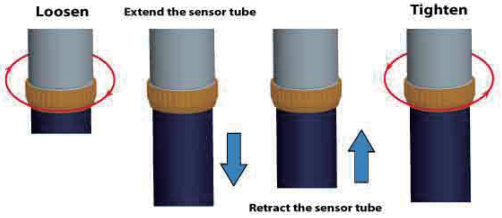

Fig 21-1 Fig 21-2 Fig 21-3 Fig 21-4

9. TEST

9.1 To make sure the device work effectively, we suggest to test alarm each time before use:

Set the alarm system in surveillance status at first, drop child simulator (e.g. four 1.5L bottles full of water, not less than 6kgs) into pool at the farthest point from main unit, the alarm system will sound alarm in seconds when water waves get contact with sensor (see Fig. 22-1/2/3).

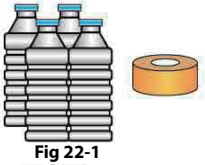

Fig 22-1

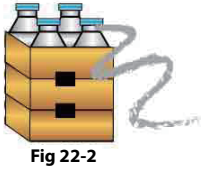

Fig 22-2

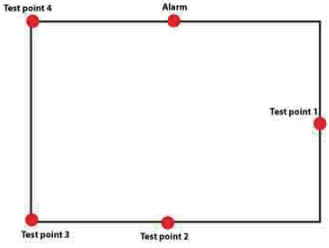

Fig 22-3

Wait till the water calm down, then repeat the test in other places to make sure the alarm system work well.

9.2 The options of pool test place (see Fig.22-3) .

Attention: make sure the submersible sensor tube 10cm deep in water, otherwise, the system may not achieve the best performance.

10. REMOTE RECEIVER

10.1. Place remote receiver within 300 feet from main unit.

10.2. W/ power indicator.

10.3. In case of power failure, you can have back-up battery inside, battery installation or removal, see Fig. 23.

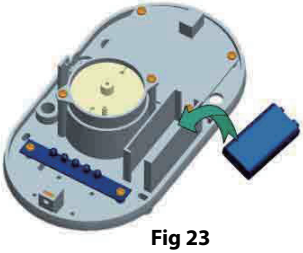

Fig 23

10.4. W/ reset button, you can reset remote receiver when alarming.

10.5. Remote receiver sounds alarm together with red light flashing, both to attract attention and help alert those who may be hard of hearing.

.10.6. DO Not put it in the basements or close to metal walls. Be sure that the red light on the remote is on, remember, only when the main unit alarms, the remote receiver will sound.

10.7. When use the remote receiver for the first time, remote receiver need seconds to match with main unit.

10.8. If your remote receiver is not getting a clear signal or no signal from the main unit, try the following, before plugging adapter in the power supply, be sure to stretch out the cord; do not leave it tied in a bow as packaged. When the main unit alarms, the remote receiver not alarms, move the remote receiver to different locations and stand back for a few seconds for the remote receiver to pick up the signal. You may only have to move your remote receiver a little to the left or right to bring in the signal. In some cases you might have to move the remote receiver to a different location or another room. If you still cannot get a signal on your remote receiver, please ask to change.
Take off the adapter and test remote receiver as the above mentioned steps to see the working condition without electricity power. If it can still receive the signal, now you can use the remote receiver safely.

Attention: do remember to install the back-up battery before use.

11. TO SWIM IN THE POOL

11.1. Move control botton to “SWIM”, system will beep several times and yellow light will flash, it indicates the system into Sleep/Swimming status.
11.2. After set system into Sleep/Swimming status, you will have 100 seconds to start your swimming, if no swimming, alarm system will activate automatically.

It will not sound alarm when you are swimming.

11.3. After your swimming, wait till the water calm down, move Control Button to left side to activate alarm system, or wait a few seconds for the system to activate automatically.

Attention: make sure the system is activated before leaving the pool.

12. SWIMMING POOL SAFETY TIPS

-Supervise children at all times.
-Never permit swimming alone. Never leave a child alone, even to answer the telephone.
-Always remove the entire solar cover from a pool before swimming.
-Remember that alcohol and pool water do not mix.
-Have your pool area fenced and the gate locked to prevent unauthorized entry to the pool, and install a gate alarm.
-Lock and secure all doors in the house which permit easy access to the pool, and install a door alarm.
-Have a responsible adult teach swimming and water safety to your children.
-Maintain clean, clear water in the pool.
-Do not swim during storms.
-Do not permit bottles, glass, or sharp objects to be used around the pool.
-Ask your pool dealer how you can improve your pool safety-they will be glad to assist you.
-Above all: remember that common sense, awareness, and caution will allow you to enjoy your pool.

13. WARRANTY AND REPAIRS

POOL SCOUT is sold with two year limited warranty to cover defects in parts and workmanship for two year from date of purchase (retain proof of purchase).
If our alarm exhibits a defect, please contact our distributor. Unauthorized returns will not be accepted, proper repair is only ensured when the unit is returned to the manufacturer.

All pool alarms will false alarm on occasion for different reasons. False alarms can be minimized; however, it is important to remember that a false alarm is better than no alarm at all. WEATHER & WIND-Our Unit set stationary on the deck of the pool so the wind will not effect the alarm unit itself. Wind may trigger a false alarm if it is strong enough or steady enough. That causes the water in the pool to rock or bounce up and down the pool wall. When the water in the pool moves up and down the alarm sensing throat, it may finally cause the alarm to sound. On extremely windy days when the pool water is rocking it is advised to set the alarm in Sleep/Swimming status.
Light wind or rain will not effect the alarm.

14. ATTENTION

POOL SCOUT has been designed to aid in the detection of unwanted intrusions into unsupervised pools. POOL SCOUT IS A SAFETY ALARM SYSTEM AND NOT A LIFE SAVING DEVICE. “This device is not intended to replace any other safety consideration -e.g. adult supervision, lifeguards, fences, gates, pool covers, locks, etc., and some devices may not detect gradual entry.”

POOL SCOUT is made of sturdy Plastic+UV. Because the alarm is electronic and mechanical, great care should be taken not to drop the unit, it may break, sun and rain will not hurt the alarm.

15. KEEP IN MIND

-DO read the manual carefully;
-DO install the alarm properly;
-DO test the alarm properly;
-Do adjust submersible tube properly to meet the water level;
-Do not leave until the unit is activated after swimming;
-Do replace the battery when in low voltage;
-Do supervise the pool, when the alarm in the Sleep/Swimming status;
-DON’T start your alarm immediately after swimming.

-If your pool has a tilted soft slope less than 30% and without discontinuity, this pool alarm is not enough to supervise, you need to use another alarm system to complete.

-Turn off the system only when pool is not to be used for long time or family is out for holiday, and do remember to start the alarm system before using the pool or back from holiday.

- If you purchase the Pool Scout with solar panel, we still advise you to install the dry batteries (6 x LR20 1.5v size D) in case of no sunshine some time!

16. TROUBLESHOOTING

Q: alarm system does not work in test?
A: check if the battery is installed correctly and control botton in right side.
Q: can not move the button?
A: be sure to press down it before move
Q: false alarm by strong wind?
A: move control botton to right to be into Sleep/Swimming status.
Q: keep alarming after swimming when activate the system?
A: water is not calm down, be sure to activate system after the water calm down.
Q: my pool is bigger than 16x32 square feet, if extra alarm system needed?

A: you'd better install more

Q: no alarm when drop object in pool?

A: check the submersible sensor tube into water lever 10cm deep, or weight of the object.

Q: my alarm involve solar power, but it doesn't work.

A: the battery is not charged, please charge it before use.

Q: I want to battery-power the alarm instead of solar power, if it is ok?

A: OK. It is necessary to install the dry battery in case no sunshine.

Q: I use the alarm system indoor, but no sunshine, how to power?

A: use dry battery(6 x LR20 1.5V size D) to power.

Q: I do not want to drill hole on my pool, how to do?

A: place alarm edge of the pool side.

Q: if it is ok to drop alarm into water for long time?

A: do not

Q: Unconscious of alarm dropping into water for long time, what to do?

A: turn off the system and let it dry at first, and test it before start to use.

Q: if it is available to use in lake, spa, fish pond, …?

A: Yes. If use in fish pond, another accessory is needed, please contact our local distributor for details.

Q: one remote receiver works with more main units, or one main unit works with more receivers, if it is ok?

A: Yes.

Q: my remote receiver can not get the signal, what to do?

A: check if install remote receiver on metal objects, or something weaken the signal.